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Alberta Government Telephones

ANNUAL REPORT

For the Fiscal Year Ending

December 31st, 1922

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY



EDMONTON:
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Alberta Government Telephones

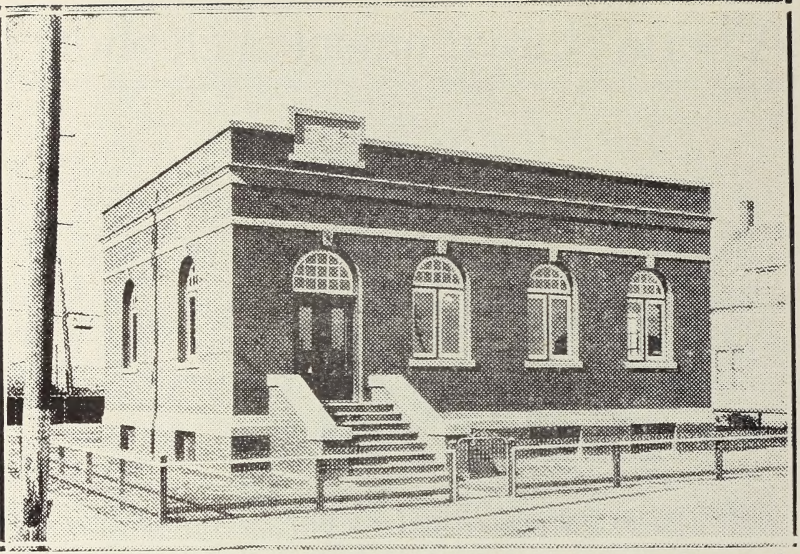
ANNUAL REPORT

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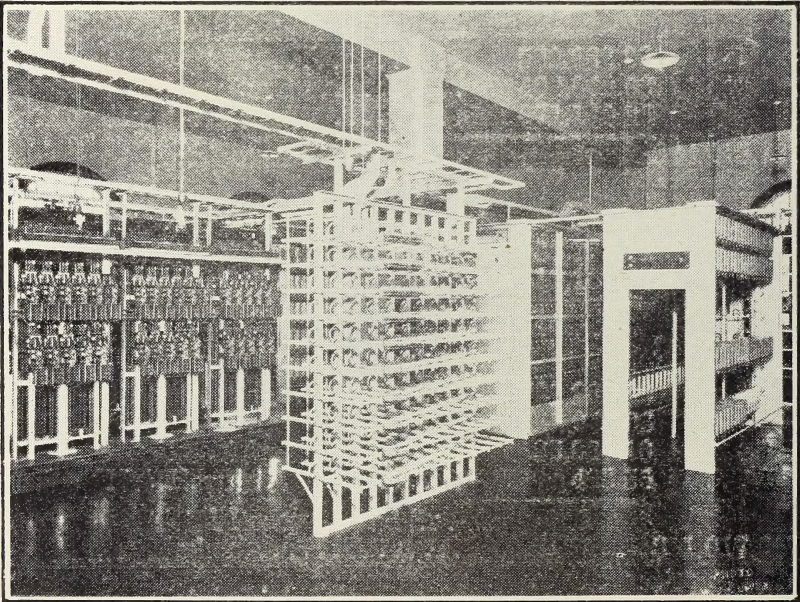
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Alberta Government Telephones.—Louise Exchange, Calgary.



Section of Interior, Automatic Switchroom, Louise Exchange, Calgary.

EDMONTON, Alberta, January 31, 1923.

To His Honour

ROBERT GEORGE BRETT,

Lieutenant Governor of the Province of Alberta,
Edmonton, Alberta.

SIR,—I have honour to transmit the Eleventh Annual Report of the Department of Telephones for the year ending December 31, 1922.

I have the honour to be, Sir,

Your obedient servant,

VERNOR W. SMITH,

Minister of Railways and Telephones.

EDMONTON, Alberta, January 31, 1923.

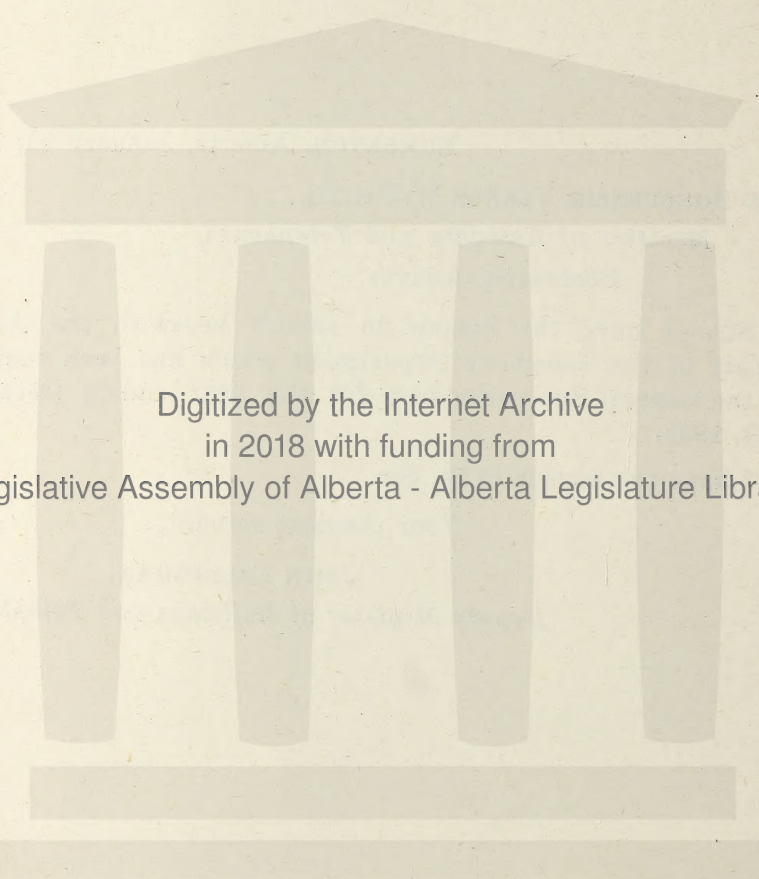
THE HONOURABLE VERNOR W. SMITH,
Minister of Railways and Telephones,
Edmonton, Alberta.

SIR,—I have the honour to submit herewith the Annual Report of the Telephone Department which has been compiled by the General Superintendent for the year ending December 31st, 1922.

I have the honour to be, Sir,

Your obedient servant,

JOHN CALLAGHAN,
Deputy Minister of Railways and Telephones.



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EDMONTON, Alberta, January 31, 1923.

JOHN CALLAGHAN, ESQ.,

Deputy Minister of Railways and Telephones,

Edmonton, Alberta.

SIR,—I have the honour to submit herewith the Eleventh Annual Report of the Alberta Government Telephones for the fiscal year ending the 31st day of December, 1922.

Our policy during the past year has been to keep our Capital expenditure down to a minimum. The work done has been mostly work that had been previously planned and work that was necessary to keep the Plant up to a reasonable standard and to take care of new applications for service. It was also considered advisable to use up some of the material which we had in stock and get it into working Plant. Practically no work was carried out unless the expenditure could be justified by the estimated revenue.

In the case of Rural extensions, this is only true because of the fact that the greater portion of the material used was in stock and it was estimated that the revenue would at least take care of the additional money that would be required. Our reports will show that Operating and Maintenance expenses were reduced by \$67,537.00 over the previous twelve months. This is notwithstanding the fact that the Plant was increased to a point where it brought in \$112,274.00 over the previous twelve months. This increased revenue has come from additional rural service, additional exchange service and a slight increase in the toll revenue.

Our interest bill, however, increased \$357,432.69 during the same period and left us in the position of making a worse showing this year than last.

(NOTE: If any comparisons are made with last year's report, one month would have to be deducted because last year's report was a thirteen-month's report while this year's is a twelve-month's report).

This interest bill has been uncontrollable as far as we are concerned and has practically been brought about through the large expenditure during 1920 and 1921. There was \$4,000,000 worth of Bonds refunded during 1922 for which we were paying interest at the rate of 4% under the old rates and are now obliged to pay 5% and 5½%. This will increase our interest bill during 1923 and is something over which we have no control. There is another issue of \$3,000,000 to be refunded during 1923. This is one of the short term loans for which we are paying 6% and that will likely be reduced to 5%.

This year's balance sheet will show a balance net earnings of \$423.55. This amount represents the balance after taking care of all fixed charges in connection with the Telephone Department except the Replacement Reserve, and while it could not be hoped to earn much of a surplus for the reserve under business condi-

tions which we went through in 1922, it must be remembered that conditions must improve or we will be getting into a difficult position with our finances in the Telephone Department.

We have had a very successful year insofar as our construction program was concerned and were able to complete all of the Exchange work necessary to keep our Plant in first-class condition. This includes the installation of a new automatic sub-office in the Hillhurst district, Calgary, which provides additional facilities and places our Calgary exchange in a position to take care of any growth which may be expected during the next three or four years.

No Long Distance work was necessary due to the fact that an extensive long distance line program had been carried out during 1920 and 1921 which has not been worked to capacity yet as business has fallen off rather than increased during the last year. We expect, however, that during the next year or two conditions will improve to such an extent that all of these toll line facilities will be required.

4,139 Rual subscribers were added to the Plant during this year. To connect these subscribers 4,431 miles of wire was required and 3,235 miles of poles. It is gratifying to note that the cost of this construction has greatly improved, in fact, with improved methods and reductions in contractors' prices, the labour costs in 1922 were almost cut in half and while we have completed our program for 1922, we will have sufficient money left over in our Capital account to carry us through 1923 and complete the program which is planned for this season. We had a vote of \$2,000,000; used \$1,200,000, leaving \$800,000 for 1923 work.

Briefly, the outlook for 1923 is not the best. We anticipate business conditions to hold up fairly well and improve towards the end of the season. If there is a reasonably good crop throughout the Province, we will be almost assured of a greater revenue than we had during 1922.

We will still have the big interest bill to pay and that cannot be reduced. During times like these in the Telephone business a considerable amount of money has to be spent with practically no return. As an example, we have installed over 11,668 telephones in the Province of Alberta during the past year and have only had a gain of 2,922 which means that while we were installing 11,668 telephones we removed 8,746 and the 2,922 telephones are the only additional source of revenue. The balance of the work is simply an added expense.

We are looking for better conditions ahead, however, and if we get them, the Telephones taken out will return without adding any great expense to the Plant, and our Long Distance business will build up on our present lines without any additions as it is possible now to carry 30 or 35% additional business without increasing the Plant.

The policy of keeping Capital Expenditures down to a minimum should be maintained in this Department for the next few years if the Department is to be expected to carry itself and it will only

do this providing business conditions improve rapidly and a close watch is kept on capital expenditures in the future.

I have the honour to be, Sir,

Your obedient servant,

R. B. BAXTER,

General Superintendent.

ALBERTA GOVERNMENT TELEPHONES

Balance Sheet as at December 31st, 1922.

Assets—

103	Real Estate	\$ 1,054,454.24	
105	Equipment	3,033,062.70	
107	Exchange Lines	2,549,607.21	
108	Rural Lines	6,598,569.88	
109	Toll Lines	5,547,867.49	
	Total Plant in Service		<u>\$18,783,561.52</u>
110	Construction in Process ..	\$ 34,771.40	
	Total Plant		<u>\$18,818,332.92</u>
111	Office Furniture	\$ 79,230.13	
112	Tools and Vehicles	43,732.84	
113	Supplies	1,458,580.65	
	Total Working Assets		<u>\$20,399,876.54</u>
115	Cash on Deposit	\$ 567,839.63	
121	Treasury Account and Notes Receivable	1,249,362.25	
123	Accounts Receivable	288,549.14	
125	Prepaid Expenses	32,053.62	
	Interest Receivable on Treasury Notes	53,016.03	
	Total Current Assets ..		<u>\$22,590,697.21</u>
102	Intangible Assets	\$ 22,577.96	
116	Reserve Cash and Invest- ment	529,282.88	
132	Sinking Fund	402,040.08	
140	Bond Discount	671,140.26	
	Total Assets		<u>\$24,215,738.39</u>

Liabilities—

258	Bonded Debt (Capital) ..	\$23,186,963.11	
270	Unearned Revenue	11,107.67	
	Total Current Liabili- ties		<u>\$23,198,070.78</u>
275	Depreciation Reserve ...	\$ 529,282.88	
288	Sinking Fund Reserve ...	402,040.08	
299	Surplus Adjustment	85,921.10	
	Net Earnings 1922	423.55	
	Total Reserves and Sur- plus		<u>\$ 1,017,667.61</u>
	Total Liabilities		<u>\$24,215,738.39</u>

Certified Correct.

E. W. BURLEY,
Provincial Auditor.

A. M. MITCHELL,
Auditor.

CONDENSED EARNINGS FOR PERIOD ENDED
DECEMBER 31, 1922.

Telephone Revenue—

312	Exchange Earnings	\$ 953,517.14
313	Rural Earnings	467,374.81
314	Toll Earnings	938,659.27

Total Telephone Revenue	\$ 2,359,551.22
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Telephone Expense—

Operation	\$ 1,000,800.66
Maintenance	379,762.88

Total Telephone Expense	\$ 1,380,563.54
-------------------------	-----------------

Net Telephone Earnings	\$ 978,987.68
------------------------	---------------

Add—

Directory Earnings	\$ 13,480.05
Miscellaneous	101,813.73
Interest Earned	253,568.54

	\$ 368,862.32
--	---------------

	\$ 1,347,850.00
--	-----------------

Deduct—

Interest, Contingencies, Commis- sion and Exchange and Sink- ing Fund	
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	\$ 1,347,426.45
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Net Earnings for Year	\$ 423.55
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Certified Correct.

E. W. BURLEY,
Provincial Auditor.

A. M. MITCHELL,
Auditor.

STATEMENT OF GROSS EARNINGS FOR PERIOD
ENDED DECEMBER 31, 1922.

312 Exchange Earnings—

01 Sub-station Rentals	\$ 952,133.89
84 Attachments	1,383.25

Total Exchange Earnings	\$ 953,517.14
-------------------------	---------------

313 Rural Earnings—

01 Sub-station Rentals	\$ 466,574.51
84 Attachments	800.30

Total Rural Earnings ..	\$ 467,374.81
-------------------------	---------------

314 Toll Earnings—

01 A. G. T. Lines	\$ 899,286.76
02 Foreign	19,183.85
03 Local	11,049.10
67 Messenger Service	9,139.56

Total Toll Earnings	\$ 938,659.27
--------------------------	---------------

Total Telephone Earnings	\$ 2,359,551.22
--------------------------	-----------------

328 Miscellaneous Earnings—

01 Current Earnings	\$ 99,957.73
02 Real Estate	1,856.00

Total Miscellaneous Earnings	\$ 101,813.73
------------------------------------	---------------

329 Directory Earnings—	\$ 13,480.05
-------------------------------	--------------

326 Interest Earned—

01 Interest on Deposits	\$ 71,256.83
01 Interest on Notes Receivable	86,264.62
02 Chargeable to Plant	21,990.69
03 Premium on Stock Purchased	20,736.40
04 Premium on Debentures, 1922	53,320.00

Total Interest Earned ..	\$ 253,568.54
--------------------------	---------------

Total Gross Earnings ..	<u>\$ 2,728,413.54</u>
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EXPENSE REPORT FOR PERIOD ENDED
DECEMBER 31st, 1922.

OPERATION

General—

401	Executive	\$ 14,425.98
402	Accounting	36,520.45
403	Miscellaneous	14,131.82

Total General	\$ 65,078.25
---------------------	--------------

Commercial—

410	Commercial Supervision ..	\$ 64,091.75
411	Commercial Advertising ..	1,875.48
413	Directory Expense	32,618.37
414	Revenue Accounting	91,423.23
415	Revenue Collecting	183,793.17
416	Pay Station Commissions.	7,249.75
417	Foreign Interchange	11,641.21
418	Uncollectibles	21,964.51

Total Commercial	\$ 414,657.47
------------------------	---------------

Traffic—

420	Traffic Supervision	\$ 39,421.34
422	Operators' Wages	370,792.83
427	Pay Station Expense	1,520.00
428	Power Furnished	26,162.20
429	Other Operating Expense.	27,226.69

Total Traffic	\$ 465,123.06
---------------------	---------------

440-03	Use of Plant	\$ 14,886.44
450	Insurance	32,174.36
519	Messenger Service	8,881.08

Total	\$ 55,941.88
-------------	--------------

Total Operation	\$ 1,000,800.66
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EXPENSE REPORT FOR PERIOD ENDING
DECEMBER 31st, 1922—(*Continued*).

Maintenance—

430-01	Pole Lines, Exchange \$	2,490.96
	Pole Lines, Rural	13,080.43
	Pole Lines, Tolls	10,138.78
430-02	Aerial Cable, Exchange	14,567.05
	Aerial Cable, Rural ...	234.35
	Aerial Cable, Tolls	69.76
430-03	Aerial Wire, Exchange	19,606.27
	Aerial Wire, Rural ...	69,164.14
	Aerial Wire, Tolls	35,603.52
420-05	Underground Plant ...	1,248.27
430-07	Central Office Equip. ..	88,540.24
430-08	Multiplex Equipment ..	1,734.98
430-18	Sub-Station Equip. Ex.	33,115.96
	Sub-Stat. Equip. Rural	47,761.00
430-10	Real Estate	7,719.71
	Total Current Repairs \$	345,075.42
432	Station Removals and Changes	\$ 34,687.46
	Total Current Maintenance	\$ 379,762.88
	Total Expenses	<u><u>\$ 1,380,563.54</u></u>

PLANT VALUE REPORT FOR PERIOD ENDED
DECEMBER 31st, 1922.

103 *Real Estate*—

		Gross Additions	Plant Sold, Removed or Abandoned	Net Additions for Period
20	Land	\$ 1,310.04	\$	\$ 1,310.04
10	Buildings	36,670.52	276.21	36,394.31
		<u>\$ 37,980.56</u>	<u>\$ 276.21</u>	<u>\$ 37,704.35</u>

105 *Equipment*—

07	Central Office Equipment ..	\$208,141.46	\$ 87,024.87	\$ 121,116.59
08	Sub-Stations, Exchange ...	197,575.67	142,255.84	55,319.83
09	Sub-Stations, Rural	141,281.76	162,748.64	78,533.12
18	Multiplex	9.95	.....	9.95
		<u>\$547,008.84</u>	<u>\$292,029.35</u>	<u>\$ 254,979.49</u>

107 *Exchange Lines*—

01	Pole Lines	\$ 36,085.47	\$ 41,007.97	\$ 4,922.50
02	Aerial Cable ..	161,859.02	96,794.65	65,064.37
03	Aerial Wire ..	62,285.64	31,061.00	31,224.64
		<u>\$260,230.13</u>	<u>\$168,863.62</u>	<u>\$ 91,366.51</u>
06	Underground Conduit	\$ 73,872.16	\$ 1,023.78	\$ 72,848.38
05	Underground Cable	171,665.35	4,318.31	167,347.04
35	House Cable ..	1,441.24	.....	1,441.24
		<u>\$246,978.75</u>	<u>\$ 5,342.09</u>	<u>\$ 241,636.66</u>
	Total Exchange Lines	<u>\$507,208.88</u>	<u>\$174,205.71</u>	<u>\$ 333,003.17</u>

108 *Rural Lines*—

01	Pole Lines	\$492,342.54	\$ 4,383.20	\$ 487,959.34
03	Aerial Wire ...	267,926.22	7,170.05	260,756.17
09	Right-of-way .....	.....	7.50	7.50
		<u>\$760,268.76</u>	<u>\$ 11,560.75</u>	<u>\$ 748,708.01</u>

109 *Toll Lines*—

01	Pole Lines	\$ 81,818.82	\$ 20,171.90	\$ 61,646.92
02	Aerial Cable ..	226.50	617.20	390.70
03	Aerial Wire ..	37,898.81	11,721.91	26,176.90
05	Underground Cable	5,975.62	813.99	5,161.63
		<u>\$125,919.75</u>	<u>\$ 33,325.00</u>	<u>\$ 92,594.75</u>

	Net Additions to Plant in Service, 1922	\$1,466,989.77
110	Construction in Process at Dec. 31, 1922	34,771.40
	Total Plant Additions for Period	<u>\$1,501,761.17</u>

NOTE: Heavy type denotes "Credit."

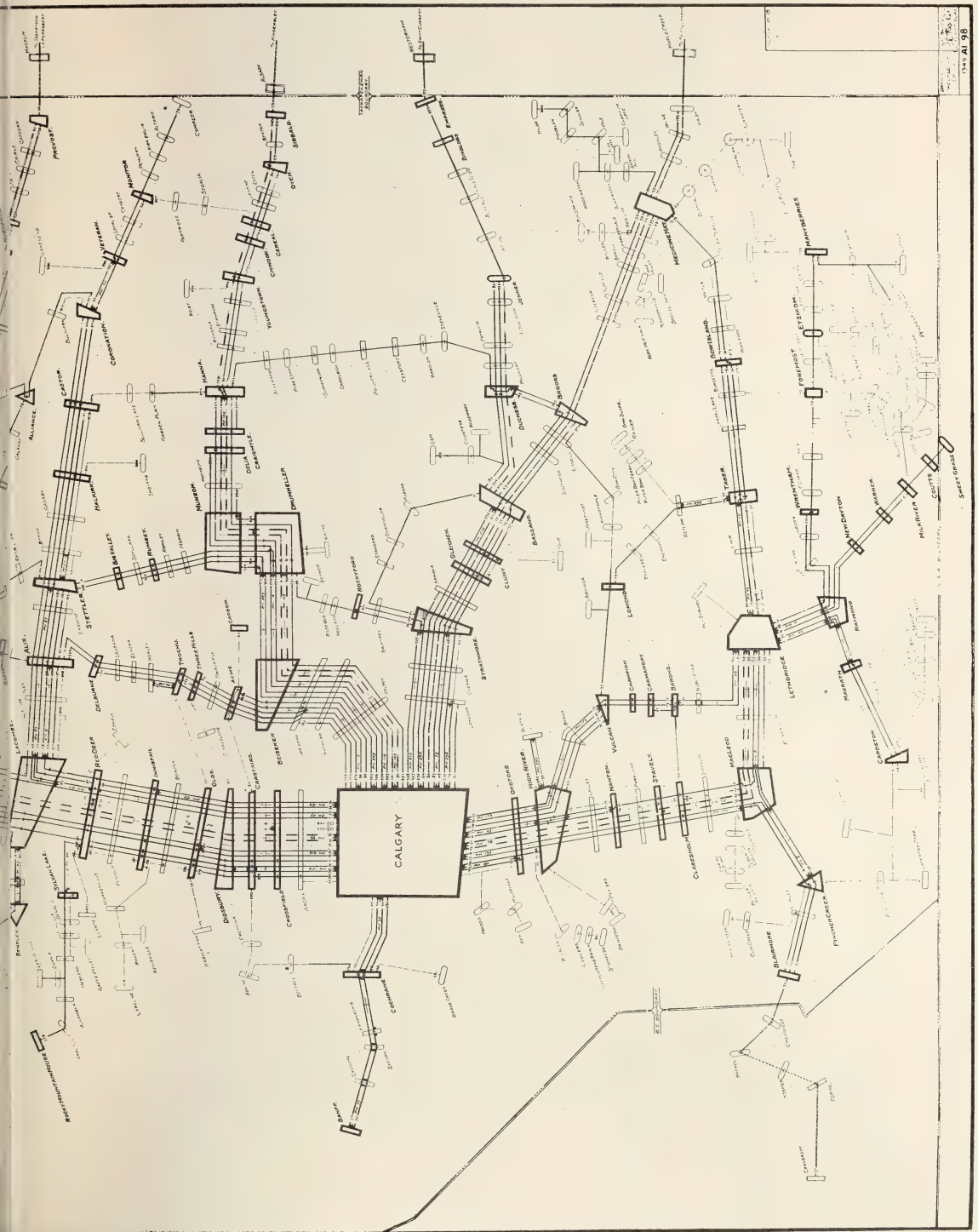
REPLACEMENT RESERVE AS AT DECEMBER 31st, 1922.

	Taken Out of Service and Credited Plant	Cost of Removal	Other Charges	Salvage	Net Charge to Debit Sub- Accounts
Balance of Reserve Carried Forward					\$660,299.09
Added to Reserve During Period					135,623.97
Net Debits					\$795,923.06
Balance in Reserve					266,640.18
					\$529,282.88
01 Pole Lines	\$ 33,221.04	\$ 5,086.37	\$ 1,615.93	\$ 10,838.32	\$ 29,085.02
02 Aerial Cable	96,500.59	7,928.26	5,508.32	64,958.82	44,978.35
03 Aerial Wire	30,961.74	5,107.32	10,757.78	15,613.36	31,213.48
Total Exchange Lines	\$160,683.37	\$ 18,121.95	\$ 17,882.03	\$ 91,410.50	\$105,276.85
01 Pole Lines	\$ 4,246.10	\$ 1,766.49	\$ 3,525.09	\$ 736.07	\$ 8,801.61
03 Aerial Wire	5,057.62	4,176.79	10,541.90	2,185.67	17,590.64
Total Rural Lines	\$ 9,303.72	\$ 5,943.28	\$ 14,066.99	\$ 2,921.74	\$ 26,392.25
01 Pole Lines	\$ 18,299.31	\$ 2,819.00	\$ 11,994.56	\$ 4,101.96	\$ 29,010.91
02 Aerial Cables			60.44		60.44
03 Aerial Wire	7,503.36	1,593.53	17,165.88	3,380.26	22,882.61
Total Toll Lines	\$ 25,802.67	\$ 4,412.53	\$ 29,220.88	\$ 7,482.22	\$ 51,953.96

	Taken Out of Service and Credited Plant	Cost of Removal	Other Charges	Salvage	Net Charge to Debit Sub- Accounts
04 Underground Conduit	\$ 913.28	\$ 101.14	\$ 2.85	\$ 332.10	\$... 685.17
05 Underground Cables	4,967.47	1,183.11	318.97	3,519.06	2,950.49
Total Underground Plant	\$ 5,880.75	\$ 1,284.25	\$ 321.82	\$ 3,851.16	\$ 3,635.66
07 Central Office Equipment	\$ 19,318.83	\$ 259.44	\$ 1,013.43	\$ 15,103.40	\$ 5,488.30
18 Station Apparatus, Exchange	116,710.09	.....	1.84	101,900.83	14,811.19
Station Apparatus, Rural	54,375.81	.....	.....	47,362.13	7,013.68
28 Station Installation, Exchange .....	.....	.....	.....	.....	.....
Station Installation, Rural .....	.....	.....	348.63	.....	348.63
58 Private Branch Exchanges	3,321.68	.....	1,807.74	.....	1,807.74
68 Booths and Special Fittings, Exchange ...	4,368.49	94.55	.....	2,888.40	437.82
Total Sub-Station Equipment	\$198,094.90	\$ 358.53	\$ 3,183.85	\$170,460.09	\$ 31,177.19
10 Real Estate	37.20	5.44	774.26	31.00	.... 785.90
Grand Total	\$399,802.61	\$ 30,125.98	\$ 65,449.83	\$276,156.71	\$219,221.71
Direct Charges to Reserve During Period .....	.....	.....	.....	.....	47,418.47
Total Charge to Reserve .....	.....	.....	.....	.....	\$266,640.18

NOTE: Heavy type denotes "Credit."





COMMERCIAL

CONDENSED STATION REPORT

	<i>Northern Division</i>	<i>Southern Division</i>	<i>Total</i>
Exchange Subscribers' Lines	5,030	21,304	26,334
Exchange Extension Stations	232	1,954	2,186
Exchange P. A. X. Stations .....	...	72	72
Exchange P. B. X. Stations	9	2,361	2,370
Pay Stations	158	316	474
Toll Stations	212	114	326
Rural Subscribers' Lines	10,253	10,364	20,617
	<u>15,894</u>	<u>36,485</u>	<u>52,379</u>

STATEMENT OF EXCHANGES AND TOLL OFFICES
IN THE PROVINCE 1922.

Number of Alberta Government Telephone Exchanges	253	
Number of Alberta Government Telephone Toll Offices		326
Number of Alberta Government Telephone Exchange Stations		31,436
Number of Alberta Government Telephone Rural Stations		20,617
Number of Private-owned Party Lines	59	
Number of Private-owned Party Line Stations ..		1,040
Number of Connecting Exchanges	2	
Number of Connecting Exchange Stations		13,387
Total		<u>66,806</u>

STATEMENT SHOWING SUB-STATIONS AT EACH
EXCHANGE AS AT DECEMBER 31st, 1922.

<i>Exchange</i>	<i>Local</i>	<i>Rural</i>	<i>Total</i>
Acme	50	144	194
Adkins	1	52	53
Airdrie	30	135	165
Alderson	9	..	9
Alhambra	1	..	1
Alix	35	100	135
Alliance	56	162	218
Amisk	16	66	82
Andrew	9	..	9
Ardrossan	2	35	37
Athabasca	60	21	81
Baintree	2	..	2
Barons	59	125	184
Bashaw	55	92	147
Bassano	117	30	147
Bawlf	37	182	219
Beaverlodge	3	..	3
Beiseker	26	75	101
Bellis	20	..	20
Bentley	31	117	148
Berwyn	19	..	19
Big Valley	70	72	142
Bindloss	15	85	100
Blackie	42	195	237
Blairmore	373	..	373
Bon Accord	1	66	67
Botha	25	124	149
Bow City	2	..	2
Bowden	18	45	63
Bow Island	44	27	71
Brant	16	37	53
Brooks	59	12	71
Brosseau	2	..	2
Bruce	9	41	50
Bruderheim	17	33	50
Bulwark	15	73	88
Burdett	16	43	59
Cadogan	26	124	150
Calgary	15,814	482	16,296
Camrose	365	316	681
Canmore	32	..	32
Carbon	24	62	86
Cardston	221	189	410
Carmangay	56	96	152
Carstairs	95	209	304
Castor	109	185	294
Cayley	22	66	88
Cereal	31	101	132
Cessford	2	24	26

<i>Exchange</i>	<i>Local</i>	<i>Rural</i>	<i>Total</i>
Champion	70	152	222
Chancellor	1	22	23
Chauvin	33	48	81
Chin	3	1	4
Chinook	26	86	112
Chipman	31	65	96
Clairmont	18	42	60
Claresholm	170	247	417
Clive	21	99	120
Cluny	38	40	78
Clyde	13	49	62
Cochrane	44	145	189
Consort	44	136	180
Cooking Lake	1	1	2
Coronation	123	125	248
Coutts	14	..	14
Cowley	17	95	112
Craigmyle	29	82	111
Crossfield	54	141	195
Cummings	1	..	1
Czar	18	67	85
Daysland	80	147	227
Delburne	33	112	145
Delia	55	113	168
Didsbury	138	244	382
Donalda	34	115	149
Drumheller	452	83	535
Duchess	13	28	41
Eastburg	1	..	1
Edberg	1	54	55
Edgerton	8	..	8
Edmonton	1	688	689
Edson	63	..	63
Edwell	1	60	61
Elnora	21	95	116
Empress	56	..	56
Enchant	5	59	64
Entwistle	3	..	3
Erskine	23	84	107
Evansburg	8	..	8
Evarts	1	..	1
Exshaw	4	..	4
Ferintosh	14	42	56
Foremost	37	21	58
Forestburg	21	81	102
Fort Saskatchewan	155	270	425
Gadsby	26	43	69
Gainford	3	..	3
Galahad	25	82	107
Gem	1	42	43

<i>Exchange</i>	<i>Local</i>	<i>Rural</i>	<i>Total</i>
Gibbons	7	..	7
Gleichen	144	175	319
Glenwoodville	21	50	71
Grande Prairie	131	23	154
Granum	43	128	171
Grassy Lake	14	33	47
Halkirk	26	78	104
Hanna	216	143	359
Hardisty	66	167	233
Harmattan	1	35	36
Hay Lakes	7	..	7
Heisler	17	46	63
Hespero	1	..	1
High River	251	270	521
Holden	39	82	121
Hughenden	30	70	100
Huxley	5	98	103
Innisfail	159	228	387
Innisfree	34	44	78
Irma	28	43	71
Iron Springs	1	47	48
Irricana	11	88	99
Irvine	30	..	30
Islay	28	64	92
Jarrow	1	..	1
Kananaskis	2	..	2
Killam	81	170	251
Kinsella	2	5	7
Kitscoty	43	126	169
Lacombe	263	383	646
Lac Ste. Anne	4	..	4
Lake Saskatoon	10	40	50
Lamont	70	107	177
Landonville	2	..	2
Lanfine	2	..	2
Langdon	16	110	126
Lavoy	19	64	83
Leduc	122	170	292
Legal	6	22	28
Leslieville	1	..	1
Lethbridge	1,973	259	2,232
Lloydminster	241	149	390
Lomond	31	29	60
Lougheed	64	196	260
Lousana	1	23	24
Macleod	301	158	459
Magrath	113	38	151
Manville	56	190	246

<i>Exchange</i>	<i>Local</i>	<i>Rural</i>	<i>Total</i>
Manyberries	14	13	27
Markerville	5	68	73
Mayerthorpe	2	..	2
Mecheche	2	..	2
Medicine Hat	1,666	48	1,714
Meeting Creek	1	36	37
Metiskow	10	54	64
Milk River	19	39	58
Millet	20	69	89
Milo	3	110	113
Minburn	20	54	74
Mirror	25	63	88
Monarch	8	50	58
Monitor	21	20	41
Morinville	53	90	143
Morrin	15	102	117
Moyerton	1	..	1
Mundare	51	26	77
Munson	38	74	112
Namaka	9	..	9
Nanton	135	189	324
New Dayton	7	49	56
New Norway	11	67	78
Nobleford	26	12	38
Okotoks	71	197	268
Olds	181	203	384
Onoway	1	63	64
Oxville	1	112	113
Oyen	58	153	211
Parkland	18	43	61
Peace River	163	..	163
Pekisko	2	..	2
Penhold	16	70	86
Pincher Creek	175	250	425
Pollockville	3	11	14
Ponoka	120	345	465
Provost	91	354	445
Ranfurly	1	75	76
Raymond	100	34	134
Redcliff	70	..	70
Red Deer	431	171	602
Redland	2	..	2
Red Willow	1	..	1
Retlaw	20	108	128
Ribstone	5	36	41
Richdale	3	..	3
Rimbey	35	90	125
Rockyford	34	90	124
Rocky Mountain House	44	..	44
Rosebud	19	69	88

<i>Exchange</i>	<i>Local</i>	<i>Rural</i>	<i>Total</i>
Rowley	4	22	26
Rumsey	10	82	92
Ryley	31	120	151
St. Albert	32	94	126
St. Paul	66	..	66
Scollard	2	..	2
Scotfield	2	..	2
Sedalia	4	129	133
Sedgewick	98	162	260
Sexsmith	16	20	36
Shandro	1	..	1
Sheerness	2	..	2
Sibbald	23	228	251
Sion	1	26	27
Skiff	2	..	2
Smoky Lake	28	..	28
Soda Lake	1	9	10
Spirit River	30	..	30
Spring Coulee	4	10	14
Standard	44	36	80
Stanmore	5	..	5
Stavely	39	116	155
Stettler	214	190	404
Stirling	25	10	35
Stony Plain	52	201	253
Strathmore	99	261	360
Strome	41	93	134
Suffield	5	..	5
Sunnynook	1	33	34
Sunnyslope	1	20	21
Swalwell	15	75	90
Sylvan Lake	2	9	11
Taber	203	178	381
Tees	1	32	33
Telfordville	1	17	18
Three Hills	76	191	267
Tofield	92	172	264
Travers	8	26	34
Trochu	56	147	203
Two Hills	1	1	2
Vegreville	226	208	434
Vermilion	221	225	446
Veteran	38	101	139
Viking	70	162	232
Vilna	4	..	4
Vulcan	144	369	513
Wabamun	6	18	24
Wainwright	133	228	361
Warner	36	72	108
Waterton Park	4	..	4

<i>Exchange</i>	<i>Local</i>	<i>Rural</i>	<i>Total</i>
Wayne	41	..	41
Westlock	35	38	73
Wetaskiwin	279	368	647
Winnifred	7	..	7
Wrentham	2	28	30
Youngstown	80	83	163
	<u>31,436</u>	<u>20,617</u>	<u>52,053</u>

LIST OF TOLL STATIONS AS AT DECEMBER 31st, 1922.

Abee, Abilene, Alberta Beach, Alcomdale, Alderman, Alequiers, Allerston, Altario, Amethyst, Angle Lake, Ankerton, Anthony, Arbutus, Ardmore, Armada, Ashmont, Atlee, Avalon, Barrhead, Bartlettville, Battenburg, Battle Lake, Beauvallon, Beaver Crossing, Beaver Heights, Belvedere, Benalto, Benton, Berrymoor, Beynon, Bezanson, Big Fish Lake, Birdsholm, Bloomsbury, Bluesky, Boian, Bondiss, Bonnyville, Bordenave, Bottrel, Bowell, Bowmanton, Bow Slope, Box Springs, Boyle, Boyne Lake, Braeburn, Bragg Creek, Brecon Hill, Breezelawn, Buffalo, Buffalo Head Ranch, Busby, Cache Lake, Cairns, Calahoo, Calling Lake, Calmar, Campsie, Carlton Hill, Caroline, Carolside, Carvel, Cassils, Catchem, Cavendish, Chappice Lake, Cheadle, Cherhill, Clarinda, Clearview, Cold Lake, Columbine, Compeer, Comray, Comrie, Conдор, Conrad, Coronado Beach, Countess, Crawford, Cremona, Crichton, Dakin, Dalroy, Dapp, Darwell, Davis, Del Bonita, Delph, Desjarlais, Deville, Doondale, Doucette, Downing, Drayton Valley, Dunstable, Dunvegan, Durlingville, Duernay, Eagle Butte, Echohill, Eckville, Edwand, Egremont, Elk Point, Elkwater Lake, Ellscott, Elmworth, Endiang, Esher, Etzikom, Excel, Faith, Fallis, Fawcett, Fedorah, Fort Assiniboine, Foster, Four Nine, Freedom, Fresnoy, Friedenstal, Gaetz Valley, Gagnon, Gahern, Garden Plain, Glendon, Glenevis, Glen Leslie, Goddard, Gorman, Graminia, Green Court, Griffin Creek, Grimshaw, Groton, Gull Lake, Gunn, Hacks, Hagen, Halcourt, Halfway Lake, Hamlin, Harvest Vale, Hay Creek, Heath Creek, Heaton Moor, Hilda, Hilliard, Hussar, Hythe, Iddesleigh, Iola, Jarvie, Jenner, Judson, Kahwin, Kapasiwin, Kathryn, Kelsey, Kevisville, Kew, Kingman, Kinnondale, Kippenville, Kirk McKinnon, Kirriemuir, Knob Hill, Krakow, Lafond, La Glace, Lake Isle, Lakesend, Lake Valley, Lawton, Lea Park, Leedale, Legend, Le Goff, Leighton, Lewiston, Lines, Lisburn, Lonira, Looma, Low Creek, Loyalist, Lucky Strike, Lunnford, Luzan, McKellar, McNaught, Mageau, Magnolia, Manola, Masinasin, Maunsell, Maybridge, Meanook, Mellowdale, Millarville, Millicent, Moody's Crossing, Moon Settlement, Morningside, Mosside, Mulhurst, Naughton Glen, Neerlandia, Nemiscan, New Sarepta, Northbank, North Cooking Lake, Northern Valley, Northfield, Northleigh, North Mosside, North Park, Nugent, O'Connor, Odynski, Olin Creek, Olson Coulee, Opal, Orion, Orvilton, Pakan, Pakowki, Park View, Partridge, Pashley, Patricia, Pauls' Corners, Pearsonville, Peat, Pemukan, Pendant d'Orielle, Peno, Perryvale, Phillips, Pibroch, Pickardville, Pine

Creek, Priddis, Princeton, Radway, Rainier, Raven, Ray, Redwater, Reist, Richards, Richardson, Richfield, Rife, Rio Alta, Rio Grande, Riverbow, Riverbow Ferry, Rochester, Rochfort, Rocky Rapids, Roeske, Rosalind, Roseglen, Rose Lynn, Rosemary, Rossington, Roycroft, Roydale, Rush Lake, St. Joseph, St. Kilda, St. Lina, St. Vincent, Sammons, Sandy Lake, Sangudo, Sarrair, Schuler, Seaforth, Seba, Seven Persons, Severson, Seymour, Smiths, Southesk, Southworth, Spring Point, Stampede, Steveville, Stony Hill, Sullivan Lake, Sweet Grass, Tawatinaw, Thelma, Therien, Thorhild, Tomahawk, Tring, Vale, Valhalla, Valleyfield, Valley Home, Vanesti, Vanrena, Van Vleet, Verburg, Victoria, Vimy, Wahstao, Walker, Walsh, Wardlow, Warspite, Wasel, Waskatenau, Waterhole, Watson, Westeroose, White Court, Whitla, Wisdom, Yeoford, Zawale. Total number of Toll Stations, 326.

TOLL OFFICES OPENED DURING 1922.

Arbutus, Berwyn, Bow Slope, Brecon Hill, Buffalo Head Ranch, Catchem, re-opened during 1922 (closed 1921). Doondale, Elkwater Lake, Grimshaw, Kahwin, North Mosside, Pemukan, Richfield, Rush Lake, Seaforth.

EXCHANGES OPENED DURING 1922.

Nil.

OFFICES CLOSED DURING 1922.

Ardenode, Battle Ridge, Battlevue, Bear Lake, Beatty, Blood Reserve, Boyd, Britain, Brownfield, Buffalo Lake, Cappon, Chigwell, Cornucopia, Craigmillar, Dalmer, Earlie, Eastervale, Ewelme, Fairacres, Fairfield, Fenn, Good Luck, Grant Lake, Gresmont, Halladay, Hermit Lake, Hetherington, Highfield, Hopkins, Hughes, Irwinville, Jenkins, Keoma, Kessler, Kimball, Lakeside, Lessard, McNally, Mount Lookout, Neighborview, Neutral Hills, Newbrook, Nightingale, North Walker, Olsen, Owens, Owlseye, Poplar Bluff, Poplar Site, Puffer, Riddellvale, Sather, Shepard, Stand Off, Sugar Bowl, Sunnysdale, Talbot, Taylorville, Twin Lakes, Wilmot, Wellsdale, Wostok.

OFFICES TEMPORARILY CLOSED.

Boundary Creek, Bowness Golf Club, Bowness Park (Calgary), Edmonton Beach, Waddington.

OFFICES CHANGED FROM TOLL TO EXCHANGE DURING 1922.

Bellis, Berwyn, Blood Reserve, Cessford, Gainford, Gibbons, Gull Lake, Hay Lakes, Lanfine, Mecheche, Metiskow, Pollockville, Redland, Sheerness, Skiff, Sunnynook, Two Hills.

OFFICES CHANGED FROM EXCHANGE TO TOLL DURING 1922.

Cheadle, Elk Point, Gull Lake, Pakan.

OFFICES AT WHICH CONTINUOUS SERVICE
WAS INSTITUTED DURING 1922.

Alliance, Bashaw, Lougheed, Big Valley.

OFFICES AT WHICH SEMI-CONTINUOUS SERVICE
WAS INSTITUTED DURING 1922.

Nil.

OFFICE NAME CHANGED—1922.

Nil.

COMMERCIAL ENGINEER.

PROGRAMME OF CONSTRUCTION 1922.

Areas in Province covered by Development Studies 3800 sq. miles

Number of Rural applicants included in 1922 construction estimates 3407

Number of Exchanges in which Rural construction was completed in 1922 construction estimates 123

Number of Rural switching points in Province on December 31st, 1922 208

Number of Rural Circuits on December 31, 1922:
Government Owned 2097

Private Owned 83

Average number of Rural subscribers per circuit 10

Rural applications on file awaiting service 1600

PLANT.

TOLL WORK UNDERTAKEN AND COMPLETED 1922.

From	To	Wire	Mileage	
			Poles	Wire
Mossidae	North Mossidae	No. 9 B.W.G. Steel	2.5	5
St. Paul	Glendon Jct. .	No. 12 N.B.S. Cop.		40
Vegreville ...	Lavoy	No. 12 N.B.S. Cop.		25
Lethbridge ..	Wrentham ...	No. 12 N.B.S. Cop.		105.5
Extension ...	Kahwin	No. 9 B.W.G. Steel	3	6.5
Fort Sask'n..	Bruderheim ..	Rebuild	7	
Comrie	Bellis	No. 9 B.W.G. Steel		9
Extension ...	Doondale	No. 9 B.W.G. Steel	1	2
Edmonton ...	Tofield	Rebuild	21.25	
Edmonton ...	St. Paul	No. 12 N.B.S. Copp.	4.5	8
Rainier	Bow Slope ..	No. 9 B.W.G. Steel	2.75	5.5
Calgary Phan.	Strathmore ..	No. 12 N.B.S. Cop.		5
Extension ...	Rush Lake ..	No. 12 B.W.G. Steel	3	6
Calgary (Reprs) ...	Strathmore ..	Rebuild	2	
Peace River ..	Berwyn R. Xings	No. 12 N.B.S. Cop.	.75	1.5
		No. 9 B.W.G. Steel		.5
Stony Plain ..	Wabamun ...	No. 12 N.B.S. Cop.	6.5	16
Extension ...	Brecon Hill ..	No. 12 B.W.G. Steel	.5	1
Total			54.75	236.5

LONG DISTANCE MILEAGE REBUILD TO DEC. 31st, 1922.

		New Route	Increase	Decrease
Fort Sask'n .	Bruderheim .	7		
Edmonton ...	Tofield	21.25		
Edmonton ...	St. Paul	4.5		
Calgary	Strathmore ..	2		
Peace River .	Rail'y Xings, Berwyn ...	.75		
Stony Plain .	Wabamun ...	6.5	Wire	Pole Line
Lethbridge ..	Wrentham ..	13.75	2.58	2.58
		55.75	2.58	2.58

OFFICES MOVED DURING 1922.

Acme, Andrew, Battle Lake, Beiseker, Bindloss, Buffalo, Chancellor, Condor, Countess, Czar, Downing, Edwand, Egremont, Empress, Enchant, Evansburg, Fawcett, Gibbons, Halladay, Kapasiwin, Lafond, Landonville, Mirror, Milo, Mayerthorpe, Moon Settlement, Odynski, Pakan, Parkland, Rosemary, Scotfield, Seven Persons, Seymour, Sheerness, Sunnynook, St. Paul, Therien, Tomahawk, Vimy, Viking, Wrentham, Waskatenau, Westerose.

CHANGE OF EQUIPMENT.

Acme, Alliance, Alhambra, Bawlf, Bellis, Beaver Lodge, Beiseker, Bentley, Berwyn, Big Valley, Blackie, Blairmore, Blue-sky, Bonnyville, Bulwark, Calgary Rural Automatic, Calgary Hillhurst Automatic Equipment, Calgary E. Office Power Board, Carbon, Castor, Cavendish, Cadogan, Cereal, Cessford, Chinook, Consort, Coronation, Craigmyle, Czar, Delia, Drumheller, Elk Point, Edmonton, Edson, Edwell, Entwistle, Foremost, Gleichen, Griffin Creek, Grant Lake, Hanna, Halkirk, Hardisty, Hay Lakes, Hughenden, Innisfail, Irma, Islay, Kitscoty, Lethbridge 2,000 Line Add., Lethbridge Toll Board, Lethbridge Pay Station, Lethbridge Automatic Dialing, Leslieville, Magrath, Manyberries, Medicine Hat, Metiskow, Morinville, Okotoks, Oyen, Opal, Pollockville, Provost, Ranfurly, Ribstone, Rockyford, Roselynn, Rocky Mountain House, Rosemary, Sedalia, Seven Persons, Sheerness, Smoky Lake, Standard, Stony Plain, Tofield, Two Hills, Viking, Vilna, Vegreville, Vulcan, Warner, Wayne, Wainwright, Westlock.

OFFICES DAMAGED BY FIRE.

Condor, Clairmont, Edwand, Elk Point, Evarts, Gadsby, Gibbons, Landonville, Morrin, Rowley, Trochu.

EXCHANGE CONSTRUCTION COMPLETED

DECEMBER 31st, 1922.

Bellis, Blairmore, Beiseker, Bulwark, Calgary Ex. 1st Ave. N.E. to 10th St. N.E., Calgary Transfer Cir. Aerial Centre St., Calgary U. G. Cond. 2nd to 8th St. E., Calgary Cut-over Louise, Calgary M. H. and Cond. Louise, Consort, Cereal, Drumheller, Daysland, Gibbons, Hanna, Hay Lakes, Innisfail, Lloydminster, Mundare, Mirror, Oyen, St. Paul, St. Albert, Scotfield, Hardisty, Viking.

EXCHANGE CONSTRUCTION COMMENCED 1921,
COMPLETED 1922.

	<i>Comp.</i> 1921	<i>Comp.</i> 1922
Calgary U. G. Cable Main to East Exchange..	22%	78%
Calgary Cable to W. Exchange and Hillhurst	80%	20%
Calgary Ex. of U. G. Cable East	55%	45%
Calgary Bridgeland Extensions	55%	45%
Calgary Hillhurst and Sunnyside	75%	25%
Calgary Aerial Cable E. of 2nd St. E.	68%	32%
Calgary Relief 5th St. N.W.	85%	15%
Lethbridge Ex. to U. G. Conduit	95%	5%
Lethbridge Ex. to Aerial Cable	40%	60%
Lethbridge Ex. to U. G. Cable	75%	25%
Millet	60%	40%
Smoky Lake	50%	50%

EXCHANGE CONSTRUCTION COMMENCED AND NOT
COMPLETED DECEMBER 31st, 1922.

	<i>Percentage Completed</i> 1922
Calgary Transfer Subs. W. to M.	98%
Calgary Add. to U. G. Cable S. W.	65%
Calgary Add. to Aerial Cable S. W.	78%
Calgary Add. to Cable Louise	85%
Calgary Add. to Cable 5th St. and 1st Ave. N.W.	8%

NEW BUILDINGS COMPLETED DECEMBER 31st, 1922.

Calgary (Hillhurst Exchange), Viking.

ALTERATIONS TO BUILDINGS COMPLETED
DECEMBER 31st, 1922.

Castor, Drumheller, Hardisty.

RURAL WORK UNDERTAKEN AND COMPLETED 1922.

<i>Estimate</i>	<i>Poles</i>	<i>Wire</i>	<i>Subs.</i>
Acme	6.00	7.25	7
Alix	6.50	11.50	13
Alliance	13.50	16.25	13
Athabasca .....	.25	.25	5
Barons	30.75	43.50	28
Bashaw	1.50	2.75	3
Bentley	1.75	2.25	5
Big Valley	4.00	4.25	4
Berwyn (Ex. P. Lines) .....	.75	1.00	18
Bindloss	5.00	7.50	6
Bowden	6.50	7.50	7
Bulwark	45.00	82.00	70
Burdett	9.25	12.25	10

RURAL WORK UNDERTAKEN AND COMPLETED 1922—(Continued)

<i>Estimate</i>	<i>Poles</i>	<i>Wire</i>	<i>Subs.</i>
Cadogan	41.00	72.25	50
Calgary	31.25	57.25	44
Camrose	12.75	15.25	20
Carbon	59.00	89.75	65
Cardston	19.00	64.75	45
Carstairs	38.25	49.50	51
Castor	84.25	151.00	108
Cayley	2.75	3.00	3
Cereal	69.00	114.50	98
Cessford	26.00	38.50	25
Chinook	40.25	53.75	44
Chipman	26.50	44.00	42
Clairmont	37.50	59.25	42
Claresholm	21.00	24.00	21
Clive (Inc. Tees)	6.25	6.75	9
Cochrane	1.25	1.50	2
Consort	51.75	92.75	58
Coronation	46.75	74.25	61
Craigmyle	46.00	73.00	47
Czar	44.75	78.75	57
Daysland	10.50	12.75	12
Delia	33.75	47.25	36
Didsbury	10.75	15.25	13
Donalda	2.75	4.00	5
Drumheller	8.25	15.25	13
Edberg	3.25	3.50	2
Edmonton (Bev.)	1.75	4.00	10
Edmonton (Rebuild)	5.75	..	..
Edmonton .....	.50	.50	..
Elnora	6.50	10.25	8
Ferintosh	3.25	4.25	5
Foremost	13.75	39.50	21
Forestburg	26.50	29.00	24
Fort Saskatchewan .....	.50	.75	1
Gadsby	3.75	4.00	5
Galahad	38.50	53.25	45
Gleichen	21.25	35.00	21
Glenwoodville .....	.50	.50	1
Grande Prairie	17.75	29.75	23
Granum	18.00	23.00	17
Grassy Lake	28.25	34.25	27
Halkirk	24.00	39.75	32
Hanna	67.75	113.50	77
Hardisty	33.25	40.25	31
High River	12.00	14.25	14
Holden	13.00	17.00	13
Hughenden	44.25	83.00	70
Huxley	4.25	5.50	6
Innisfail	12.00	17.25	15
Irma	46.25	75.00	46
Innisfree	11.75	12.50	11
Irricana	29.50	63.75	38

RURAL WORK UNDERTAKEN AND COMPLETED 1922—(Continued)

<i>Estimate</i>	<i>Poles</i>	<i>Wire</i>	<i>Subs.</i>
Islay	16.50	19.25	21
Killam	18.50	36.25	25
Kitscoty	38.25	70.25	49
Lacombe	21.50	25.00	20
Lake Saskatoon	36.75	54.25	40
Lamont	39.00	64.25	51
Langdon	11.00	19.25	12
Lavoy .....	.75	1.25	2
Leduc .....	.50	.50	1
Lethbridge	28.75	38.25	40
Lloydminster	9.25	12.50	10
Lousana	1.25	1.50	1
Macleod .....	.50	3.25	11
Magrath	31.50	42.75	29
Manville	18.00	21.25	19
Medicine Hat	10.25	11.75	22
Metiskow	48.25	79.75	82
Mirror	3.50	3.75	4
Monitor	4.00	10.25	6
Morrin	2.50	4.00	3
Mundare	3.75	8.75	9
Munson	27.00	42.75	38
Nanton	16.75	19.75	13
Okotoks	21.25	31.00	29
Olds .....	.75	1.25	1
Onoway	21.25	35.00	23
Oyen	100.50	201.00	155
Parkland	6.25	8.00	5
Peace River .....	..	1.00	1
Penhold	19.25	25.75	22
Pincher Creek	23.25	34.50	27
Pollockville	6.50	17.50	12
Ponoka	45.50	56.25	45
Provost	72.75	100.00	83
Ranfurly	33.00	40.50	44
Red Deer	7.00	12.25	12
Ribstone	28.50	45.50	37
Rockyford	34.50	70.75	46
Rosebud	65.50	102.00	74
Sedalia	14.00	18.25	19
Sexsmith	6.00	19.50	12
Sibbald, 1st	90.25	153.50	115
Sibbald, 2nd	12.00	15.25	10
Sion	8.00	9.00	10
Stavely	7.00	10.00	11
Stettler	17.75	20.25	23
Stony Plain	33.00	40.25	30
Strathmore	50.50	103.75	60
Strome	3.00	3.25	4
Sunnynook	32.75	54.75	33
Sunnyslope	1.00	1.25	1
Sylvan Lake	6.50	13.75	9

RURAL WORK UNDERTAKEN AND COMPLETED 1922—(Continued)

<i>Estimate</i>	<i>Poles</i>	<i>Wire</i>	<i>Subs.</i>
Three Hills	8.50	14.00	9
Tofield	6.00	7.25	11
Trochu	1.25	1.75	1
Vegreville	31.25	65.25	43
Vermilion	37.50	63.75	36
Veteran	45.75	65.25	55
Viking	18.50	32.00	28
Wabamun .....	.50	3.50	3
Wainwright	35.25	68.50	50
Westlock	6.75	16.75	11
Wrentham	3.00	5.25	4
Youngstown	10.75	14.50	16
	<hr/>	<hr/>	<hr/>
	2750.25	4403.00	3451
Runoffs	477.25		
	<hr/>	<hr/>	<hr/>
Total	3227.50	4403.00	3451

RURAL MILEAGE AND SUBSCRIBERS ADDED ON
CONTRACT WORK ORDERS THROUGHOUT
THE PROVINCE.

<i>Poles</i>	<i>Wire</i>	<i>Subs.</i>
7.00	28	688

TOTAL RURAL MILEAGE BUILT 1922.

	<i>Poles</i>	<i>Wire</i>	<i>Subs.</i>
(a)	2750.25	4403	3451
(b)	7.00	28	688
Runoffs	477.25		
	<hr/>	<hr/>	<hr/>
Total	3234.50	4431	4139

TRAFFIC.

GENERAL STATISTICS FOR YEAR ENDING
DECEMBER 31st, 1922.

From January 1st, 1922, to December 31st, 1922.

Traffic Pay Roll Offices	38
Offices giving Continuous Service	72
Offices giving Semi-Continuous Service	9
Toll Centers	125
Tributary Offices	417
Number of "Out" L. D. Tickets completed and billed	2,348,702
Number of "Other Line" Offices in Alberta connecting with this System	1
Number of "Other Line" Offices in Saskatchewan con- necting with this System	106
Number of Mountain States Telephone and Telegraph offices connecting with this System	78
Number of "Kootenay Telephone Lines Ltd." offices connecting with this System	33
Total number of Places "Cities, Towns and Hamlets" in Alberta having Alberta Government Tele- phones' connection	968
Offices using Morse Service for Departmental business	2
Number of Physical L. D. Lines	239
Number of Phantom L. D. Lines	22
Number of Part Phantom and Part Physical L. D. Lines	35
Number of Simplex Telegraph Lines	1
Number of Carrier (Multiplex) Lines	2
Total Number of L. D. Lines	299
Phantom (metallic) L. D. Circuit Mileage	2,827
Physical L. D. Circuit Mileage	35,700
Morse Simplex L. D. Circuit Mileage	202
Carrier L. D. Circuit Mileage	404

Included in the above data is the Peace River District,
which is composed of the following:

Toll Centers	4
Tributary Offices	40
Number of Physical L. D. Lines	5
Number of Phantom (grounded L. D. Lines	1
Number of Grounded L. D. Lines	1
Total Long Distance Mileage	640

Respectfully submitted,

R. B. BAXTER,
General Superintendent.

